

CONTRACT # 09-204-500355

CULL TREE REMOVAL
PROJECT DESCRIPTION

PROJECT NAME: ERL

PROJECT NUMBER: 50-355-132-09

SUPERVISORY AREA: Payette Lakes

PROJECT ACRES: 353

LOCATION: 5.5 miles ENE of Cascade, Idaho

LEGAL DESCRIPTION:

<u>Unit</u>	<u>Subdivision</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Acres</u>
1	Pts. SESE	10	14N	4E	93
	Pts. NW, Pts. NWSW	14			
	Pts. E2NE, Pts. NESE	15			
2	Pts. NW, Pts. N2SW	14	14N	4E	80
3	Pts. SWNW, Pts. SW	14	14N	4E	117
	Pts. SENE, Pts. E2SE	15			
	Pts. N2NW	23			
4.	Pts. SWSW	14	14N	4E	63
	Pts. SENE, Pts. SE	15			
	Pts. NENE	22			
	Pts. NWNW	23			
Total					<u>353</u>

TREATMENT TYPE: Mechanical felling of undesirable trees with chainsaws.

CONTRACT PERIOD: Contract work may commence once the contractor has received a signed copy of the contract and meets with the contract supervisor for a pre-work meeting. No work will be allowed before July 15, 2009. All field work must be completed by 2 November 2009. The contract will expire 20 November 2009.

CONTRACT PAYMENT: Payment will be made based on satisfactory completion of work in each unit.

HAZARD PLAN: All roads, fuel breaks and designated skid trails will be kept free of slash. Material protruding into or over the roads, fuel breaks or designated skid trails must also be removed. No payment unit will considered satisfactory until this work is completed.

**SUBJECT TO THE DIRECTION AND INSTRUCTION OF THE CONTRACT SUPERVISOR,
THE CONTRACTOR IS REQUIRED TO ADHERE TO THE FOLLOWING:**

1. Treatment Objectives:
 - a. Remove living culls as defined in the master contract and this project description
 - b. Reduce mistletoe.
 - c. Increase spacing to increase growth of crop trees.
 - d. Change species composition to favor seral species.

2. Leave Tree Specifications: The contractor is required to leave
- Dominant or codominant conifers with good form and vigor.
 - Trees with a crown ratio greater than or equal to 40%.
 - Trees free of insects, disease and physical or biological defects. Leave trees less than 8 inches dbh shall have a maximum dwarf mistletoe rating of 1 under the Hawksworth six-class rating system (attached). Trees over 8 inches dbh will not be considered biological culls unless the mistletoe rating is 4 or higher.
 - Crowns of leave trees may not touch on more than one side.
 - In order of preference: WL, PP, DF, ES, LP, GF, AF. However, a variety of species should be selected.
 - When selecting leave trees, selection is best made on the basis of height rather than diameter.

Leave trees shall be those trees with the tallest height, largest crown, longest terminal leader and straightest stem that are free of insects, disease and physical or biological defects. Satisfactory performance shall be determined by the quality of the leave trees first, spacing second.

3. Spacing:
- Spacing will be 14' x 14' (222 trees/acre). Trees up to 8 inches dbh will be cut plus living culls with a larger dbh..
 - Where an overstory is present, spacing should start from the dripline of a standing tree greater than 8 inches dbh that is not a living cull.
4. Cut Tree Specifications:
- All surplus trees more than two (2) feet in height.
 - Trees less than 8 inches dbh with broken tops or leaning over.
 - All living culls. Living culls are further defined as:
 - 1) Trees with defects such as crooks, forks and/or sweep that do not have one sixteen foot merchantable log (16' 6") in them.
 - 2) Trees with a dwarf mistletoe rating greater than or equal to 4.
 - 3) Trees with western gall rust. If there are no trees available to leave without western gall rust, do not select trees to leave with gall rust infection in the main bole.
 - 4) Trees with visible Indian Paint conchs on 1/2 or more of the bole length.
 - 5) Trees with a dead or "spike" terminal leader.
- Large culls may be girdled according to specifications in the Master Contract.

FURTHER INFORMATION IS AVAILABLE BY CONTACTING:

Chris Vetter, Senior Resource Specialist
or
Chris Clark, Resource Supervisor

Idaho Department of Lands
Payette Lakes Supervisory Area
555 Deinhard Lane, McCall, ID 83638
Office: (208) 634-7125 Fax: (208) 634-5117

Dwarf Mistletoe Control Specifications

Dwarf mistletoe infected tress will be rated by the following point system. Leave trees will be rated 1 or less, and cut trees will be those with a rating of 2 or more, unless otherwise specified by the forester-in-charge.

The Six-Class Dwarf Mistletoe Rating System

INSTRUCTIONS:

Step 1 - Divide the live crown into thirds.

Step 2 - Rate each third separately.

Each third should be given a rating of 0, 1, or 2 as described below:

- 0 No visible infections.
- 1 Light infections ($\frac{1}{2}$ or less of total number of branches in the third infected).
- 2 Heavy infection (more than $\frac{1}{2}$ total of branches in the third infected).

Step 3 - Add rating of the thirds to obtain
A rating for the total tree.

Step 4 - Stand values may be obtained by
averaging individual tree ratings.

EXAMPLE:

If this third has no visible infections, its rating is 0.

If this third is lightly infected, its rating is 1.

If this third is heavily infected, its rating is 2.

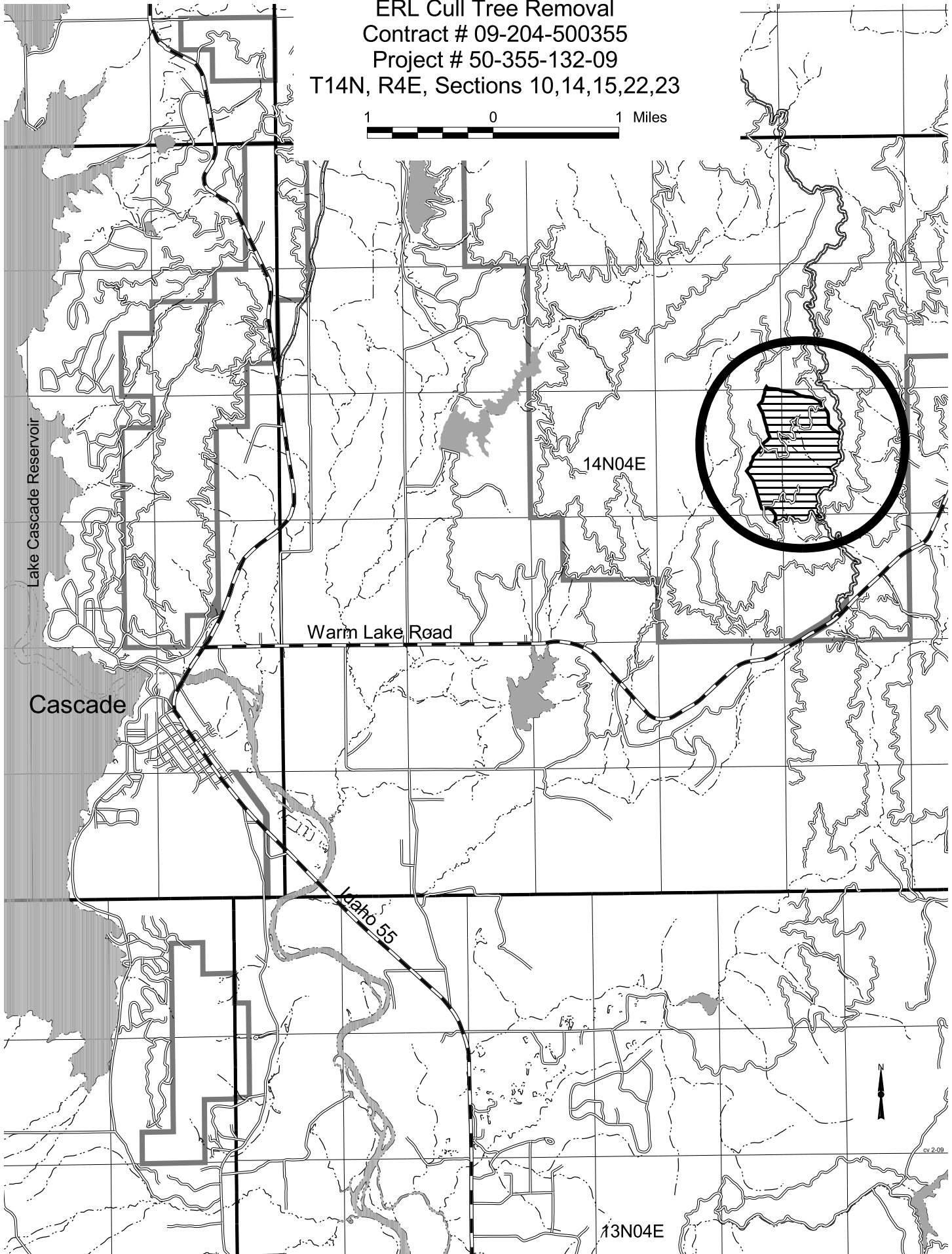


The tree in this example will receive a rating of: $0+1+2=3$.

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T14N, R4E, Sections 10,14,15,22,23







1 0 1 Miles



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Legend

-  project boundaries
-  existing fuelbreak
-  stream - Class II
-  road
-  main road
-  section line
- 23 section number
- 40 foot contour interval

